

**MOLECULAR IMPRINTING OF SOLUTE ON CELLULOSE/SILICA
COMPOSITE, AND PRODUCTS AND USES THEREOF**

ABSTRACT

A cellulose/silica composite useful as a filter material is highly selective
5 towards a solute that has been molecularly imprinted upon an inorganic gel
coating formed on the cellulose. The filter material provides dual filtering
functionality, as both a selective molecular sieve and as a particulate filter. A
unique method for making the filter material is also set forth that imparts these
attributes and performance capabilities.